

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v46)**

1. Expand the following expression into standard form.

$$(3x + 7)(2x - 5)$$

2. Solve the equation.

$$(8x - 5)(7x + 6) = 0$$

3. Expand the following expression into standard form.

$$(5x - 7)(5x + 7)$$

4. Expand the following expression into standard form.

$$(7x - 4)^2$$

5. Factor the expression.

$$x^2 + 6x - 16$$

6. Factor the expression.

$$49x^2 - 36$$

7. Solve the equation with factoring by grouping.

$$20x^2 + 8x + 15x + 6 = 0$$

8. Solve the equation.

$$8x^2 + 3x - 8 = 3x^2 + 4x - 2$$